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Endothelial nitric oxide synthase and gene - which catalyses nitric oxide formation, for e.g. inhibiting platelet aggregation or smooth muscle cell proliferation

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Number of Countries: 019 Number of Patents: 002

Patent Family:

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WO 9318156	A1	19930916	WO 93US1951	A	19930305	199338 B
AU 9337891	A	19931005	AU 9337891	A	19930305	199405

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Cited Patents: 10Jnl.Ref

Patent Details:

Patent No	Kind	Lan/Pg	Main IPC	Filing Notes
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Abstract (Basic): WO 9318156 A

(A) A pure prepn. of a nucleic acid comprising a sequence encoding endothelial nitric oxide synthase (ECNOS) is claimed.

Also claimed are: (B) a vector comprising the nucleic acid of (A); (C) a cell comprising a vector as in (B); (D) a pure prepn. of ECNOS; (E) a method of catalysing the formation of nitric oxide comprising contacting L-arginine with a purified prepn. of ECNOS; (F) a method of treating a mammal having hypertension comprising administering ECNOS.

USE - The ECNOS can be used for treating a vascular or circulatory disorder, e.g. systemic or pulmonary hypertension, accelerated-atherosclerosis associated with angioplasty or coronary artery spasm. The ECNOS nucleic acid can be used for determining the risk of such circulatory disorder. The ECNOS can also be used for inhibiting or reverseing platelet aggregation or for inhibiting smooth muscle cell proliferation. Inhibitors of ECNOS can be used as e.g. anti-inflammatory agents while stimulators and agonists are useful for decreasing blood pressure

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Title Terms: ENDOTHELIUM; NITRIC; OXIDE; SYNTHASE; GENE; CATALYST; NITRIC; OXIDE; FORMATION; INHIBIT; PLATELET; AGGREGATE; SMOOTH; MUSCLE; CELL; PROLIFERATION

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